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André Is NAL's New Director



photo: J. Swab

Pamela André

Pamela Q.J. André has been named Director of the National Agricultural Library, effective November 14, 1994, succeeding Joseph H. Howard who retired on February 3, 1994.

André has served in various library management positions with the federal government over a 28-year career. She had been acting NAL director since Howard's retirement.

From 1984 until her designation as acting NAL director, André had been NAL's Associate Director for Automation. In this position, she guided NAL's program to apply electronic technology to library operations. In particular, she was instrumental in the success of the National Agricultural Text Digitizing Program in which selected portions of the NAL collection were placed on compact discs and

(See André, page 11, col. 3)

YDIC and CYFERNET Overview

by John Kane, Ph.D., Coordinator, YDIC, NAL

Introduction

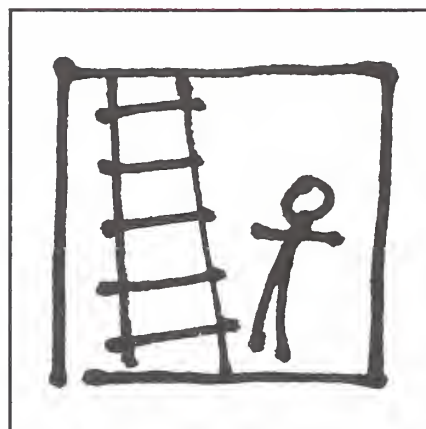
The Youth Development Information Center (YDIC) was established in 1988 to support the professionalism of 4-H youth development. The Child, Youth, and Family Education and Research Network (CYFERNET) was established in 1991 as part of YDIC. Both have been a joint project of USDA's Extension Service (ES) and the National Agricultural Library.

As of 1992 the Youth Development Information Center redirected efforts and funding to take greater advantage of evolving technology. By fully utilizing computer and communications technology in organizational collaborations and information management a greater variety and amount of information is made available to a larger proportion of the youth-serving community.

Although CYFERNET is a joint project of the Youth Development Information Center of the National Agricultural Library, ES/4-H and Youth Development, ES/Home Economics and Human Nutrition (HEHN), ES/Communications and Information Technology (CIT), and the National 4-H Council, additional collaborations are evolving to realize fully the potential of an information service based on computer communications technology. The effort is in explicit support of NAL and CIT initiatives in information management, dissemination, and public access and services.

Technology

With the technical and programming assistance of ES/Communication Information Technology (CIT), CYFERNET has a UNIX system in place at USDA Headquarters that is accessible over the Internet and can be managed directly from NAL. The UNIX platform has been programmed with the ALMANAC



**Youth Development Information
Center Logo.**

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Indexing Branch

and Gopher software and is being linked with other information servers through WAIS (Wide Area Information System). Almanac software (developed at Oregon State University with a grant from the Kellogg Foundation) allows large, full-text documents to be delivered through e-mail technology. A large amount of data can be acquired with minimal demands placed on the requester and the computer systems at either end. Gopher technology increases the sensitivity or specificity of the CYFERNET for those who can telnet or log directly onto the system over the Internet and want to search through the various sections or categories of information. (See [diagram](#))

Using computer mediated communications technology on the Internet, CYFERNET provides child, youth, and family development professionals with comprehensive information support in social program delivery and management. The objective of CYFERNET is two-fold. On the one hand it is to provide to local communities full-text access to an array of information, and on the other hand it is to explore new opportunities for collaboration with other Federal and state agencies and information services.

To accomplish the first goal CYFERNET has relied on the information management expertise of NAL, the program and organizational expertise of 4-H/CES, and the technical expertise of the Communications Information Technology group of CES to develop an Internet-based online information service. This system for information identification, review, and access in digital format is currently using file server and gopher technology. The availability of graphic images within documents for local access is being explored so that full-text documents, including graphic images, will soon be available.

Information Management and Collaborations

To facilitate collaborations and increase access to information a "Child, Youth, and Family Network" has been established to link land-grant subject matter expertise and local "youth at risk" program delivery sites together

with information management and technology expertise over the Internet as a prototype "virtual campus." CYFERNET is part of that initiative and has been used as a platform both to provide information management and to establish electronic discussion groups within the child, youth, and family community to encourage and support the idea. CYFERNET is linked directly to six other gophers representing six other subject areas and organizations. Subsections of CYFERNET appear within both the Minnesota Child, Youth, and Family Consortium Electronic Clearinghouse and the Extension Child, Youth, and Family Network gophers. In addition CYFERNET has fostered a collaboration around the issue of violence and "youth at risk" with the U. S. Department of Justice (USDJO) to develop PAVNET (Partnerships Against Violence) that will link USDJO, USDA, and other Federal agency information services directly on the Internet.

CYFERNET has two general types of information. They are curricula or program materials and program support material. An electronic jury process is being developed for curriculum review. That system has now gone into effect and the first juried materials have been posted on CYFERNET along with documents to explain the process.

A central premiss in the CYFERNET network concept is that users take a very active role in the management of the information they use. Management issues like identifying information, establishing formats, database structure, quality criteria and relevancy; are all dealt with through the networks. An initial step in this direction is the electronic jury process in effect now for 4-H curricula.

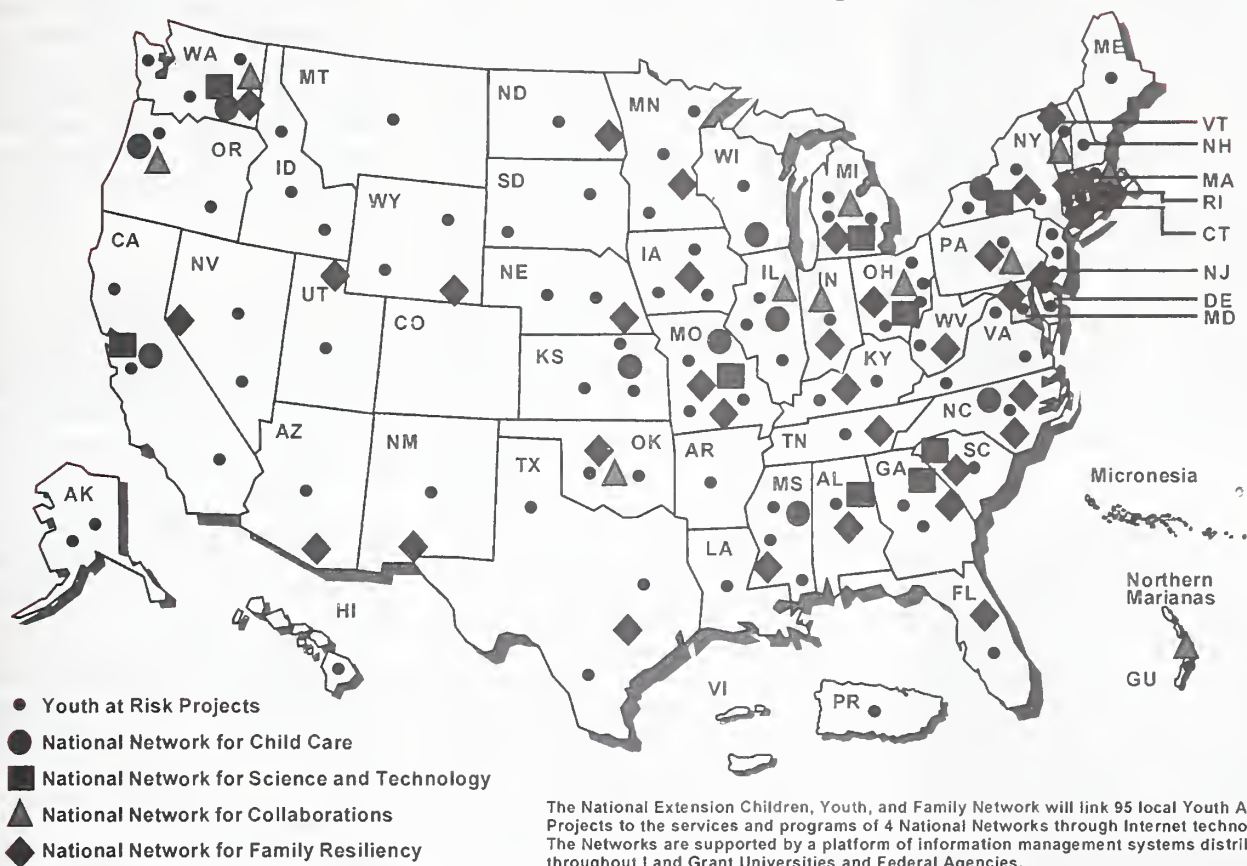
Program support materials are being gleaned from a variety of sources. Agreements with the Department of Justice's National Institute for Justice, Department of Education's Educational Resources Information Center (ERIC), the Department of Health and Human Service's Center for Substance Abuse Prevention, the General Services Administration's Federal Assistance Programs Retrieval System and NAL's Food and Nutrition Informa-

tion Center are evolving and viewed as models for further collaborations with other Federal agencies. Information about those services and developed by those organizations is being made available on CYFERNET or on complementary and linked Internet information services to help Extension agents and other child, youth, and family development workers make better use of those resources.

Some initiatives include:

- A Memorandum of Agreement with the National Institute for Justice to help initiate an interagency Federal Partnerships Against Violence gopher that will provide access to information about violence and youth at risk from seven different Federal agencies.
- A proposal with the National Society of Fund Raising Executives (NSFRE) and the National 4-H Center to explore ways to provide grantsmanship training and funding resource identification on the Internet.
- CYFERNET is an electronic clearinghouse in the Department of Health and Human Service's Center for Substance Abuse Prevention (CSAP) Regional Alcohol and Drug Awareness (RADAR) network. CSAP released a press announcement in August 1994 marking the establishment of the Center as part of CSAP's communication system PREVline.
- CYFERNET and the University of Minnesota's Children, Youth, and Family Consortium Electronic Clearinghouse have begun to merge gophers and share information management responsibilities in an effort to explore ways in which distributed information management systems might be administered with Internet technology.
- Under the coordination of the Extension Service, NAL, and the University of Minnesota a "National Extension Child, Youth, and Family Network" project has been initiated to link the subject matter expertise

The National Extension Children, Youth, and Family Network



The Children, Youth, and Family Network as discussed in the related articles in this issue of *ALIN*.

of numerous land-grant universities with 95 Federally-supported local Youth at Risk sites on the Internet (see the following article by Sharon Wright, "The National Extension Children, Youth, and Family Network").

There is currently material up on CYFERNET that should be useful—information like: Federal program descriptions that deal with child, youth, or family issues and Federal Register notes for the year that deal with the same subject, a listing of all the youth at risk sites, the full text of Family Impact Seminars for the last three years, extensive statistics from the Kids Count Data Book project, the Agricultural Research Service (on family economics), newsletters on child care,

listings of information centers and clearinghouses dealing with youth and family issues, bibliographies (based on the 4-HPRK taxonomy) from both AGRICOLA and ERIC and from the National Clearinghouse on Alcohol and Drug Information, and information on how to get the cited documents.

Internet Access to CYFERNET

For those who can telnet, the procedure to get access to CYFERNET is:

- (1) Log on to your system through your communications software.
- (2) At your system prompt type:
gopher cyfer.esusda.gov
 (if your system has an Internet gopher) or type:

telnet
 and the address of a commonly access-

ible gopher like Minnesota's:
consultant.micro.umn.edu
 or Maryland's:

info.umd.edu

and press **return/enter**.

(3) Find CYFERNET under general or Washington, DC, gopher sites.

For further information contact:

*John Kane, Coordinator
 Youth Development Information
 Center and CYFERNET
 National Agricultural Library,
 Room 304
 10301 Baltimore Boulevard
 Beltsville, MD 20705-2351
 Telephone: (301) 504-6400
 TDD/TTY: (301) 504-6856
 Fax: (301) 504-6409
 Internet: jkane@nalusda.gov*

245 PAVNET: Partnerships Against Violence Network; Background on Information Management

by John Kane, PhD
Coordinator, Youth Development
Information Center and
CYFERNET, NAL
and John Gladstone, PAVNET
Systems Operator

Violence in today's society has become a major concern. It would seem that on any given evening the local metropolitan news leads with a story about a violent act against its citizens that often concerns youth. The Extension Service recognized this problem several years ago and inaugurated a "Youth at Risk" initiative. That was supported by a collaborative effort of the National Agricultural Library (NAL) and the Extension Service called CYFERNET (Child, Youth, and Family Education and Research Network) to provide electronic access to information on the Internet and build networks of expertise for youth and family development. More recently that concern and the expertise garnered from the CYFERNET project opened the door to an opportunity to collaborate with the Justice Department in a service called PAVNET Online.

PAVNET stands for Partnerships Against Violence *NET*work. PAVNET began as a collaborative initiative between the National Institute of Justice, U.S. Department of Justice, and the Extension Service (ES) and the National Agricultural Library, U.S. Department of Agriculture, to manage violence and youth at risk information on an interagency distributed platform on the Internet. It was designed in support of the Justice Department's Pulling America's Communities Together (PACT) Project.

This PAVNET initiative reflects the level of Federal cooperation and commitment needed to help build safer, less violent communities in our Nation. Through an unprecedented coalition, the U.S. Departments of Agriculture, Education, Defense, Health and Human Services, Housing and Urban Development, Justice, and Labor have begun efforts to facilitate the development of comprehensive approaches to solving one of our country's toughest problems.

Rather than being the traditional information center representing a particular federal agency's programs, PAVNET is a multiple-agency collaboration to provide access to information of a particular subject area or issue in an effective and efficient way. Therefore, it represents a real effort to "reinvent government" around customer needs.

This "virtual library" of information about violence and youth at risk represents all seven different federal agencies. As such it is a "one-stop" information resource that helps reduce redundancy in information management and provides clear and comprehensive access to information for states and local communities. By managing the information "online" in digital format on the Internet, PAVNET also assures access to current information and reduces the need to publish multiple paper copies of documents.

The concept has additional value because information is becoming the currency of the "information age" or the equivalent of oil and capital in the industrial age and labor and land in the agricultural age. As such it is increasing in value. This raises the specter of society divided into information rich and information poor segments, which will only exacerbate the divisions that already exist based on access to money, jobs, and education. Violence is a concern for all, no matter what their socioeconomic background. Recognizing this, the agencies involved in PAVNET Online are committing themselves to address not only the societal issue of violence, which has great import, but also the issues of equity and empowerment. Access to information is empowerment, and empowering communities to address the issue of

violence within their boundaries may be the best crime prevention measure available to us.

The goal of Partnerships Against Violence is to integrate information concerning the wide range of ideas and resources available and remove the barriers to information-sharing that communities face in finding out about promising programs and resources available to them in working for families and children and against violence.

PAVNET Online

PAVNET is initially an online search and retrieval system, which currently has samples of promising programs, information sources and technical assistance, and funding sources. The initial information for the online service is coming from a two-volume printed directory of 553 programs, 191 information and technical assistance sources, 126 funding sources, and 141 curricula and teaching materials. The printed directory is currently in draft. It is being updated and expanded with an expected publication date of late fall 1994.

Technology

With the technical and programming assistance of ES/Communication Information Technology (CIT), PAVNET is a part of the CYFERNET UNIX system in place at USDA Headquarters that is accessible over the Internet and managed directly from NAL. The UNIX platform has been programmed with the ALMANAC and Gopher software. Almanac software (developed at Oregon State University with a grant from the Kellogg Foundation) allows large, full-text documents to be delivered through e-mail technology. Gopher technology increases the sensitivity or specificity of the PAVNET for those who can telnet or log directly onto the system over the Internet and want to search through the various sections or categories of information.

Once the project has been fully established the systems operator will encourage and help other collaborating federal agencies to establish similar Internet technical resources. By doing

this, each agency's information will be managed separately but will be pointed to by the PAVNET (gopher) system so that it is linked and contributes directly to PAVNET (see diagram for a visual representation of the concept). The linkages would be transparent to any user so that, even though the information is managed over a distributed system by multiple federal agencies, the service appears to users as a single resource.

Access to PAVNET

PAVNET can be accessed via CYFERNET on the Internet. For those who can telnet, the procedure to get on to CYFERNET is:

(1) Log on to your system through your communications software.

(2) At your system prompt type:
gopher cyfer.esusda.gov
(if your system has an Internet gopher) or type:

telnet

and the address of a commonly accessible gopher like Minnesota's:

consultant.micro.umn.edu
or Maryland's:

info.umd.edu
and press **return/enter**.

(3) Find CYFERNET under general or Washington, DC, gopher sites.

Project Administration

The PAVNET gopher was initially created and managed by the Coordinator of the Youth Development Information Center at NAL with some preliminary information provided by NIJ and USDA. Positive feedback from the user community has already been received as to the usefulness of the service.

A position is being supported with NIJ funding at NAL to administer PAVNET under the supervision of a PAVNET Initiative Team. The continued development and expansion of PAVNET online will require drawing on the resources of the participating Federal departments, their agencies, their clearinghouses, and resource centers. John Gladstone, the systems operator for PAVNET Online, has joined NAL to do much of that in cooperation with the Justice Department's National Criminal Justice Resource Center.

Gladstone brings a blend of professional experiences that uniquely supports the PAVNET concept (see biography of Gladstone later in this issue). In a previous occupation Gladstone was a social worker who had first hand experience with Justice Department programs in local communities. More recently he has been an instructor teaching computer skills to businesses.

John Gladstone is working closely with John Kane and the CYFERNET project. The experience gained from networking people and communication technology with the Extension Service's child, youth, and family development programs will have direct application to PAVNET, and, in turn, PAVNET will be a major asset for Extension's child, youth, and family initiatives.

For further information please contact John Kane or John Gladstone at:

Telephone: (301) 504-6400

TTY: (301) 504-6856

Fax: (301) 504-6409

Internet: jkane@nalusda.gov

Or write to:

Youth Development Information Center

*National Agricultural Library,
Room 304*

*10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

Gladstone Is PAVNET Online System Manager

With backgrounds in both counseling youth-at-risk and computer training and consulting, John Gladstone is well-suited to handle the dual role that lies ahead of him. He joined NAL's Youth Development Information Center (YDIC) to implement the design and function of the PAVNET Online program and act as ambassador-at-large to promote public and agency awareness of this new internet resource while sponsoring intercommunication among PAVNET partners.

In his role as system manager he will fashion the look and maintain the integrity of the database, create gopher links to other agencies, and upgrade



photo: J. Swab

John Gladstone

the search and retrieval functionality of the service.

As representative to the social service community, Gladstone has exhibited PAVNET Online at the National Criminal Justice Conference, the National Youth and Violence Conference, the Federal Communications Strategies Conference, and the Cities in Schools Conference. He has also embarked on an inter-departmental demonstration project to spread the word about the progress of PAVNET Online to the partnership members.

Gladstone is keenly aware that the success of PAVNET Online depends not only on the quality and integrity of the information provided, but on the accessibility of that data to the audience most in need of its service. He recalls, "Youth leaders, police, teachers, and family counselors are the front-line force that tries to cope with community and domestic violence every day. It's a struggle that can leave you feeling overwhelmed and isolated." He continued, "PAVNET Online's sole purpose is to support these heroic efforts by fostering strong anti-violence programs and providing a road map through the funding-source maze."

Before coming to NAL, Gladstone taught at the Fleet Business School in Annapolis, Maryland, where he was Systems Manager and taught computer courses. He had previously been a

Youth and Family Counselor in the Family Services department of Montgomery County, where he worked through the Law Enforcement Assistance Administration, and for the Rockville, Maryland Youth Services. Gladstone is a graduate of the University of Maryland where he earned a teaching degree and majored in English.

The National Extension Children, Youth, and Family Network

Sharon K. B. Wright
Youth At Risk Specialist, Extension Service, USDA
swright@esusda.gov

The Cooperative Extension System (CES), ES-USDA, and the National 4-H Council have established a national Children, Youth, and Family (CYF) NETWORK consisting of four National Networks focussing on Child Care, Collaborations, Science and Technology, and Family Resiliency; and a national distributed information infrastructure. The CYF NETWORK consolidates program and technology resources and, through the electronic infrastructure, expedites nationwide access to information and education. The CYF NETWORK assists the Cooperative Extension System nationwide in accomplishing its mission to marshal resources of the land-grant universities and CES to collaborate with other organizations to develop and deliver educational programs that equip limited resource families and youth who are at risk for not meeting basic human needs, to lead positive, productive, contributing lives.

The CYF NETWORK is not centered in Washington or in individual states. Each Network includes faculty with diverse experiences and skills from 4-H Youth Development, Home Economics, Community Development, Communications Technology, and other university departments from at least nine land-grant universities. The

Networks allow states to reallocate resources and concentrate development money and staff time in one or two areas in which they have the most expertise. Fewer staff will be developing programs, more staff can devote time to working directly with youth and families in their communities. Services of the CYF NETWORK will be concentrated on 95 ES-USDA funded Youth At Risk (YAR) local projects and simultaneously be available to all states and counties.

ES-USDA funded four National Networks in 1994. Each Network provides a broad spectrum of expertise in one of four areas described below.

The National Network for Child Care (NNCC) focusses resources to strengthen child-care programs in communities so that children are involved in secure, enriching, educational activities during pre-school, school, and after school hours. The NNCC promotes partnerships and empowers communities to build caring environments for all children. The Child Care Network is a collaboration of ES-USDA and 11 land-grant universities: Cornell University; Iowa, Kansas, Alcorn, and North Carolina State Universities; and Universities of California, Connecticut, Illinois, Massachusetts, Missouri, and Rhode Island.

The National Network for Science and Technology (NNST) mission is to create environments which motivate children, youth, and families to develop literacy in science and technology in order to be informed and contributing members of society. The NNST is a collaboration of ES-USDA and nine land-grant universities: Auburn, Clemson, and Cornell Universities; Michigan, Ohio, and Washington State Universities; and the Universities of California, Georgia, and Missouri. Extension faculty and collaborators can use technical and program assistance from the NNST to build their capacity to implement effective science and technology literacy programs for children, youth, and families in their local communities.

The National Network for Collaboration (NNCO) provides technical assistance to Youth At Risk (YAR) project staff and other Extension professionals in building collaborations at the community level and the agency and

organization level. Its purpose is to expand the knowledge base and skill level of Cooperative Extension System educators, agency and organizational partners, youth, and citizens, by creating environments that foster collaboration and lead to citizen problem solving to improve the lives of children, youth, and families. The NNCO is a collaboration of ES-USDA and 11 land-grant universities: the Universities of Illinois, Vermont, Massachusetts, and Guam; Ohio, Michigan, Oregon, Pennsylvania, and Washington State Universities; and Purdue and Langston Universities.

The National Network for Family Resiliency (NNFR) is an interactive network which provides leadership for the acquisition, development, and analysis of resources that foster family resiliency. The NNFR brings together educators, researchers, agency personnel, families, advocates, and practitioners who share interest in strengthening families who face multiple risks. Collaborators share leadership for maximizing expertise, bringing research to bear on significant family issues, and guiding research based on evaluation of programs and practices. The NNFR is a collaboration of ES-USDA and 34 land-grant universities: Auburn, Clemson, Cornell, Texas A&M, and West Virginia Universities; the Universities of Arizona, Delaware, Florida, Georgia, Kentucky, Massachusetts, Maryland, Minnesota, Missouri, Nebraska, Nevada, Vermont, Wyoming, Rhode Island, and Tennessee; and Iowa, Michigan, Mississippi, Montana, Alcorn, New Mexico, North Carolina A&T, Utah, Washington, North Carolina, North Dakota, Ohio, Pennsylvania, and Oklahoma State Universities.

A variety of compatible computer information management systems like the National Agricultural Library's and CES's CYFERNET, the North Central Region's QUERRI, Ohio State's PINNET, and other university databases have been used initially in creating the CYF NETWORK information management infrastructure. These information repositories will be linked via the Internet, and Internet technology will expedite intellectual collaboration among the university partners in the CYF Network.

Ultimately, the Youth at Risk community projects will be linked to each other, to their county offices, to the Networks, and to the information management support base in a seamless information infrastructure. That infrastructure is made up of a collection of information assets but appears as a single, easily-accessible resource to users. This will result in information flows both to and from program sites that can be reliably evaluated to ensure there is access to critical information in even the most remote locations.

Each Network will identify sources of information compatible with the needs of communities in its focus area and facilitate collaborations between those sources and Child, Youth, and Family Development faculty in Extension. All four Networks will collaborate with each other, ES-USDA, and NAL to merge programs and technology into the CYF NETWORK.

Children, Youth, and Families at Risk Conference

The National Agricultural Library through its Youth Development Information Center was a cosponsor with USDA's Extension Service of a national *Children, Youth, and Families at Risk Conference* at the National 4-H Center in Bethesda, Maryland, September 27-30, 1994.

The keynote speaker, Oretta Fitzgerald, representing Secretary of Agriculture, Mike Espy, for whom she is a special assistant, addressed the national audience on "America's Children at Risk: ES-USDA Responds." Following the keynote speech, the opening session concentrated on the National Extension Children, Youth, and Family Network.

Topics and speakers in this session included "Networking to Support CYF" by Barb Froke, University of Missouri; discussions of the four "National Networks," that is, "Science and Technology" by Julie Chapin, Michigan State University, "Child Care" by Karen DeBord, University of Missouri, "Collaboration" by Arno Bergstrom, Washington State University, and

"Family Resiliency" by Laurie Jensen, University of Minnesota; "CYFERNET: The CYF Information Management System" by Robert Rubinyi, University of Minnesota; "Extension Connection to the Information Superhighway" by Patricia Calvert, Deputy Administrator, CIT/ES-USDA; and "Pulling the CYF Components Together" by Sherri Wright, 4-H Youth Development, ES-USDA.

The first afternoon led off with a session on "Strengthening Our Capacity to Care Training" by a group of national 4-H leaders. It was followed by concurrent seminars on subjects related to the conference theme.

John Kane, Coordinator of NAL's YDIC and the CYFERNET, helped organize a seminar on *Federal Communications Strategies—Bringing the Federal Government Closer to the People* and spoke on the topic "The Youth Development Information Center [YDIC] and the Evolution of CYFERNET." Other topics and speakers at this seminar included: "Administration Philosophy and Policy for Communications" by Jock Gill, Director of Special Projects, Office of Media Affairs, The White House; "National Strategies for Communications and USDA's Part" by Gregory L. Parham, Director, Distance Education and Information Technology, Extension Service, USDA; "The RADAR Experience" by Lewis D. Eigen, President and CEO of Social Health Services, Ltd., National Clearinghouse for Alcohol and Drug Information; and "Pulling American Cities Together (PACT) and PAVNET Online" by G. Martin Lively, Coordinator, National Criminal Justice Resource Service, DOJ. A video entitled *Experience the Power: Network Technology for Education* was also shown at this session.

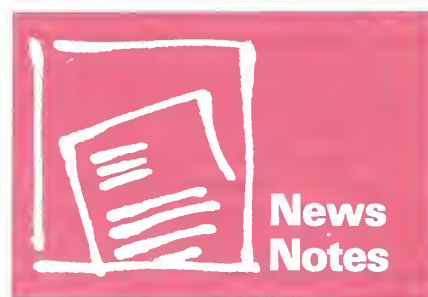
The second day of the conference began with a general session on "Conceptual Approaches to Building State Capacity for at Risk Programming." It was concerned with the philosophy behind state strengthening projects on Children, Youth, and Families at Risk, the conceptual approaches the states are taking, the institution and evaluation of systems change, and conducting professional and volunteer development programs. The remainder of the day was devoted primarily to work-

shops, round table discussions, open laboratories, and exhibits on related topics.

The third day featured sessions on Federal projects, reports, evaluation, budgets, communicating with decision-makers and Congressional staff. These were followed by state team meetings and meetings with Congressional Representatives and staff.

The final day ended with a morning session featuring two major presentations: "Crossing to the New Economy" by Lou Glazer, Executive Director, Michigan Futures; and "Vision 2000: Celebrate the Differences" by Patricia Russell-McCloud, J.D., Russell-McCloud & Associates, Peachtree City, Georgia.

John Kane said that this conference was "the first national attempt to integrate the concept of networking within the Cooperative Extension System." As such, he went on to say after the conference, the organizers were very pleased with the conference success, and were gratified that many of the participants commented that it was a valuable experience and very worth their participation.



Nominations for Oberly Award

Nominations are now being accepted for the Oberly Award for Bibliography in Agricultural Sciences.

The Oberly Award was established in 1923 in memory of Eunice Rockwood Oberly. This biennial award is given in odd numbered years for the best English language bibliography in the field of agriculture or related science.

(continued on following page)

Award:

A cash award and citation funded by an endowment created by individuals and vendor contributions, including the U.S. Agricultural Information Network, the Agway Foundation, Associates of the National Agricultural Library, the Council on Botanical and Horticultural Libraries, and the Cargill Information Center.

Eligibility:

English-language bibliographies in the field of agriculture or a related science compiled during the two year period preceding the year in which the award is made.

Criteria:

Bibliographies submitted for award consideration are judged on accuracy, scope, usefulness, format, and special features such as explanatory introductions, annotations and indexes.

Submission procedure:

Nominations may be made in the form of a letter and should point out the reasons the bibliography should be considered for the award. A copy of the bibliography should accompany the nomination. Send nominations to:

*Oberly Jury Chair, Mike Haddock
Farrell Library
Kansas State University
Manhattan, Kansas 66506
Telephone: 913-532-7418
E-mail: haddock@ksuvm.bitnet*

Deadline for submission:

December 1, 1994

Titles of recent past winners:

1985

Herbs, An Indexed Bibliography, 1971-1980, by James E. Simon, Alena F. Chadwick, and Lyle E. Craker. Hamden, CT: Archon Books, 1984. 770 p.

1987

Women, Agriculture and Rural Development in Latin America, by Jacqueline A. Ashby & Stella Gomez. Cali, Colombia: Centro Internacional de Agricultura Tropical, 1985. 171 p.

1991

Useful Palms of the World, A Synoptic Bibliography, by Michael J. Balick & Hans T. Beck. New York: Columbia University Press, 1990. 724 p.

1993

Acid Rain: A Bibliography of Canadian Federal and Provincial Government Documents, by Albert H. Joy. Westport, CT: Greenwood Press, 1991. 237 p.

— submitted by Irwin Weintraub

Internet:

WEINTRAUB@zodiac.rutgers.edu

New "Gopher" Gives Worldwide Access to NAL

Immediate electronic access to the resources and services of the National Agricultural Library are now available worldwide through the new NAL Gopher server and the Internet.

The NAL Gopher can be reached by anyone having access to a Gopher client and the Internet at:

gopher.nalusda.gov 70

"Gopher" in Internet terminology is a means by which a person can connect to various other computers and retrieve information.

"Currently, the NAL Gopher puts the user in touch with a number of important library services and resources," said NAL Director Pamela André, "from our information centers to NAL bibliographies and publications. In the months ahead even more NAL services will become available."

Specifically, among services now available through the NAL Gopher (main menu) are:

- Item 4, **Information Centers**. Gives access to information made available by NAL's information centers (currently 8 of 11 centers provide information through the Gopher).

Agricultural subjects covered are alternative farming systems, animal welfare, biotechnology, food and nutrition, plant genome, rural information (including rural health information), water quality and youth development.

- Item 5, **NAL Publications and Resources**. Included in this section are NAL bibliographies and publications such as the *NAL Electronic Initiative Final Report*, *AGRICOLA Across the Internet—User Needs*, *AGRICOLA—Guide to Subject Indexing*, and *Draft Gopher File Format Standards*.
- Item 6, **Other Agriculture Publications and Data**. Provides links to agricultural items authored outside of NAL.
- Item 8, **Other Agriculture-Related Gopher Systems**. Provides links to 31 other Gopher systems. NAL monitors the Internet and routinely adds appropriate Gopher systems to this section.

In addition, the Gopher servers of the other two U.S. national libraries, the Library of Congress and the Na-

tional Library of Medicine, can be accessed from the main menu of the NAL Gopher.

André invited users of the NAL Gopher to let the library know what they think about the new service.

"Improving, expanding, and upgrading the NAL Gopher will be an ongoing project for NAL," André said. "We always welcome user comments and suggestions so that we can provide the most needed and valuable services to our customers."

Comments and suggestions on the NAL Gopher can be directed to William Feidt, Head of NAL's Library Automation Branch, on the Internet at:

wfeidt@nalusda.gov

For more information or to make comments or suggestions, one may also contact Feidt at:

*William Feidt
Head, Library Automation Branch
National Agricultural Library, USDA
10301 Baltimore Boulevard, Rm. 013
Beltsville, Maryland 20705-2351*

Telephone: (301) 504-6813

TDD/TTY: (301) 504-6856

FAX: (301) 504-7473



USAIN Update

Cynthia K. Via, Librarian of the Corporate Library of Pioneer Hi-Bred International, is the new president of the U.S. Agricultural Information Network (USAIN). The two newly elected land-grant representatives on the USAIN Executive Council are Toni Powell (University of Kentucky) and Amy Blair (Michigan State University). Barbara Hutchinson (Arid Lands Institute, University of Arizona) was elected to the at-large position on the USAIN Executive Council.

The National Preservation Program Steering Committee has been appointed. The Co-Chairs are Bill Studer, Director of Libraries, and Wes Boomgaarden, Preservation Officer, Ohio State University. The other members of the Committee are Brice Hobrock (Kansas State University), Barbara Jenkins (South Carolina State University), Jan Olsen (Cornell University), Julia Peterson (Cargill Information Center), and Maria Pisa of the National Agricultural Library, who currently serves in the place of the Director of NAL (a non-voting member). In addition, the President of the USAIN Executive Council will serve as a member. The planning process for the preservation program was funded by the Council on Library Resources, Cargill, USAIN, and Kansas State University. The charge to the Steering Committee is to raise the funds for the project, specifically for the salary of the Preservation Coordinator. Mann Library, Cornell University, will serve a key role by preserving the core literature and has received HEA Title II-C funding for this purpose.

Plans are proceeding with the 1995 USAIN Conference to be held in Lexington, KY, April 26-29, 1995. The



photo: J. Swab

Cynthia Via

conference theme is "Cultivating New Ground in Electronic Information: Use of the Information Highway to Support Agriculture." The conference will begin on Wednesday April 26th with a pre-conference workshop on Internet basics and will run through Saturday afternoon, April 29. On Friday afternoon, a trip to the Keeneland race track is planned.

Paul Evan Peters, Executive Director of the Coalition for Networked Information, will deliver the keynote address. Jan Olsen will address the preservation of agricultural information and University of Kentucky Law School Dean David Shipley will discuss intellectual property issues in the age of electronic information and networks. All USAIN members will receive a registration packet by mail. Other persons can request registration information by contacting:

tonilib@ukcc.uky.edu

Or by writing to:

Mrs. Antoinette Powell
Director, Agriculture Library
University of Kentucky
Agricultural Science Center-North
Lexington, Kentucky 40546
FAX: (606) 258-4719

— Robyn Frank

NAL and USAIN at ALA Midwinter

The USAIN update meeting at ALA Midwinter, Philadelphia, will be Friday, February 3, from 4:00 to 5:30 p.m. at the Marriott Grand Ballroom Salon C. The meeting will be conducted by the new USAIN President, Cynthia Via, of Pioneer Hybrid, Des Moines, Iowa. NAL will make its usual update at this meeting.

Roberta Rand of NAL's Database Administration Branch is the Chair of the Emerging Technologies Interest Group, LITA. The business meeting of the Group will include a program on the Global Change Data and Information System (GCDIS). Panel Members: Roberta Rand, Moderator; Carol Watts, Librarian, NOAA Libraries; Linda Hill, Interagency Working Group on Global Change for Data and Information Management (IWG-DMGC); Michael Keeler, High School Biology Teacher, Gonzaga High School; Betty Coyle, ConQuest Software, Inc.; and Fred Stoss, CDIAC. The meeting will take place Sunday, February 5, 1995, 9:30 a.m. to 12:30 p.m. The room number is Pennsylvania Convention Center 109B.





AGRICOLA

Announcing AGRICOLA/CRIS Database Workshops, through 1995

AGRICOLA, an acronym for *AGRICultural On-Line Access*, is a computer database composed of over 3 million bibliographic citations to literature on all aspects of agriculture. The database contains

AGRICOLA/CRIS Database Workshops Schedule

Location/Workshop	Dates
NAL, Beltsville	
AGRICOLA, Basic	Feb. 06-08, 1995
CRIS	Feb. 09
AGRICOLA, Advanced	Feb. 10
NAL, Beltsville	
AGRICOLA, Basic	April 03-05, 1995
CRIS	April 06
AGRICOLA, Advanced	April 07
Washington, D.C.	
AGRICOLA, Basic	May 15-17, 1995
CRIS	May 18
AGRICOLA, Advanced	May 19
NAL, Beltsville	
AGRICOLA, Basic	July 10-12, 1995
CRIS	July 13
AGRICOLA, Advanced	July 14
NAL, Beltsville	
AGRICOLA, Basic	Sept. 18-20, 1995
CRIS	Sept. 21
AGRICOLA, Advanced	Sept. 22
Washington, D.C.	
AGRICOLA, Basic	Nov. 13-15, 1995
CRIS	Nov. 16
AGRICOLA, Advanced	Nov. 17

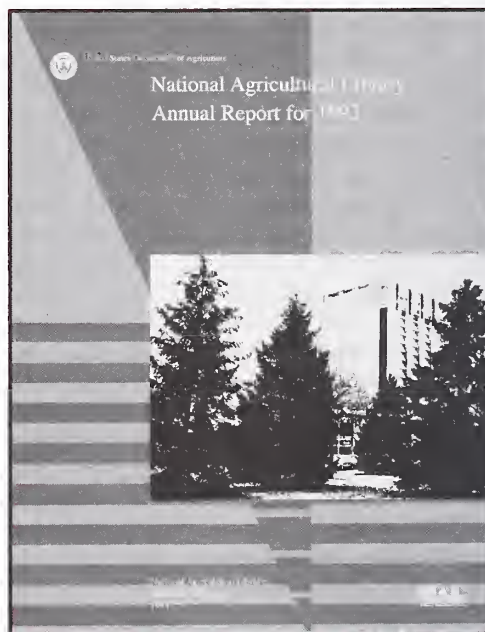
records for literature citations of journal articles, monographs, bibliographies, theses, patents, software, audiovisual materials, and technical reports added from 1970 to the present. Produced by the National Agricultural Library, AGRICOLA is accessed directly from the commercial database vendor, DIALOG Information Services, Inc. (Files 10 and 110) and from CD-ROM discs available from SilverPlatter Information, Inc. Introductory training and in-depth workshops are taught by staff members at NAL.

The Current Research Information System (CRIS) is USDA's computer-based documentation and reporting system for publicly supported agricultural, forestry, and food and nutrition research in the United States. The system contains over 35,000 descriptions of ongoing and recently completed research projects sponsored or conducted by the USDA, State agricultural experiment stations and land-grant universities, State forestry schools, cooperating schools of veterinary medicine, and the competitive research grants program of the Department. CRIS is operated by the Cooperative State Research Service, USDA. Each project writeup gives a brief summary of work underway and is updated annually with progress reports containing citations to publications coming out of the research. Many citations are to publications not yet cited, or unlikely to be cited, in bibliographic databases.

One-day CRIS workshops are taught by CRIS staff. Workshop attendees must have prior training or experience in online retrieval on the DIALOG system. A schedule of workshops is in the box on this page of *ALIN*.

Workshops in Beltsville, MD, will be held at the National Agricultural Library, 10301 Baltimore Boulevard. The workshop location in Washington, DC, will be announced with confirmation information. All workshop sessions will begin promptly at 8:00 a.m., and conclude at 4:00 p.m.

For additional information on AGRICOLA, call the Library at (301) 504-5204, TDD/TTY: (301) 504-6856, and for information on CRIS, call (301) 504-6846.



Cover of the National Agricultural
Library Annual Report for 1993.



New Publications of Note

NAL Reports on Information Services to ARS Scientists

The National Agricultural Library is pleased to announce the availability of a report entitled *Assessment of Information Services for USDA Agricultural Research Service Scientists: Final Report on a Study Conducted by the University of California, General Library and the National Agricultural Library*.

The report presents the results of a study based on data obtained through a mail survey and discussions with laboratory directors, scientists and other personnel during site visits to ARS research laboratories in the U.S. It provides information on scientists' familiarity with and use of information services provided by the National Agricultural Library, USDA agency libraries and information centers, and cooperating land-grant university libraries. It also presents strategies for improving delivery of information services to USDA scientists through enhanced user education programs and expanded cooperation between NAL, ARS, and land-grant libraries.

The authors of the report were Ted S. Sibia and Beverlee A. French of the General Library at the University of California, Davis, and Peggy Jones Beavers of the Public Services Division of NAL. The report was made available to other USDA agency libraries and information centers and to land-grant university libraries.

Copies are available upon request from the National Agricultural Library while the supply lasts. To obtain a

copy, send a self-addressed mailing label with the request to:

*Office of the Associate Director
for Public Services, Room 203
ATTN: ARS Coordinator
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

For additional information, contact Peggy Beavers, ARS Coordinator, at:

*Telephone: (301) 504-5834
TDD/TTY: (301) 504-6856
FAX: (301) 504-5472
Internet: pbeavers@nalus-da.gov*

— Peggy Beavers

NAL Annual Report for 1993 Available

Copies of the National Agricultural Library *Annual Report for 1993* are available (this is the first ALIN announcement). The 58-page report highlights programs and activities of the library in the areas of collections, initiatives, cooperation and joint projects, services, and technology, and provides related statistical data in tables and graphs. (See cover illustration on the opposite page.)

Copies of the reports for 1989, 1990, 1991, and 1992 are also still available.

To obtain a copy of the current or previous reports, send a request with a self-addressed label to:

*Shirley Evans
Public Affairs, Room 204
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*

André Is NAL's New Director

(André, from page 1)

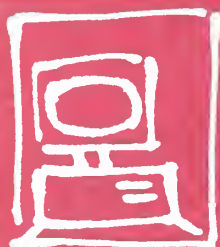
distributed to land-grant university libraries nationwide. She also led the library's efforts to make NAL services and products available on the Internet.

"As the acting director and an NAL associate director, Pam has admirably demonstrated her leadership abilities," said Dean Plowman, USDA's Acting Assistant Secretary, Science and Education. "She has been instrumental in steering the library in the direction of becoming electronically accessible, worldwide. We are confident that she will continue this exemplary service as the NAL director."

Prior to joining NAL, André held a variety of positions with the Library of Congress (LC). As a computer systems analyst, she worked on developing LC's bibliographic computer system. She was later the Assistant Chief of the MARC Editorial Division. In 1982, she was named to the management team for the LC Optical Disk Pilot Project.

She has served on the editorial boards of several library-related publications and is a member of the American Library Association and International Association of Agricultural Information Specialists (IAALD).

André has a master's degree in library science from the University of Maryland. Her articles on library automation have appeared in numerous publications, and she is a popular speaker on the uses of electronic technologies in libraries.



Technology Applications

NATDP Issues 2nd Agronomy Journal CD-ROM

The National Agricultural Text Digitizing Program (NATDP), in cooperation with the American Society of Agronomy (ASA), has published the CD-ROM, *AGRONOMY JOURNAL VOLUMES 17-22 (1925-1930)*. This second disc in the *Agronomy Journal* series contains Volumes 17 through 22 of the *Journal of the American Society of Agronomy*, dated 1925 to 1930. The approximately 7500 page images are linked to searchable bibliographic records, which were provided by NAL's Indexing Branch and downloaded from AGRICOLA.

Like earlier NATDP CD-ROMs, the disc runs under **Windows Personal Librarian (WPL)**, from Personal Library Software of Rockville, MD. The WPL retrieval software is supplied on the CD-ROM. System requirements include an 80386 microcomputer or faster, 4 MB RAM, 4 MB hard disk space, DOS 3.3 or later, MS-Windows 3.1, a CD-ROM player with Extensions 2.0 or later, and a mouse.

The CD-ROM will be distributed free-of-charge to each land-grant university library including 1890s. Copies may be purchased from the ASA for \$25.00 each, by contacting:

American Society of Agronomy
677 South Segoe Road
Madison, Wisconsin 53711 USA
Fax: 608-273-2021

— Judith Zidar

Global Change Database on Internet

A sample database of global change information is now available at the National Agricultural Library and over the Internet. A pilot project of the Global Change Data and Information System (GCDIS), the database is an effort by the United States Global Change Research Program (USGCRP) to make global change data and information more accessible to researchers and others.

In addition, project managers are seeking to show that traditional database searching methods can be enhanced by using "natural language with a semantic network of word meanings and relationships" that is commercially available. NAL is coordinating the project.

According to Pamela André, NAL Director, the database uses "off-the-shelf" client/server software to improve access to global change information from the federal government, academia, and the international community.

"The pilot system lets users query data and information using common language techniques," André said. "These simple techniques allow users quick and easy access to worldwide information on all aspects of global climate change."

The sample database contains over 10,000 documents related to global change including international treaties, protocols, and agreements; medical studies; and public opinion surveys related to environmental issues.

With NAL, other organizations participating in the pilot project are Argonne Laboratories, Cambridge Scientific Abstracts, Consortium for International Earth Science Information Network, National Oceanographic and Atmospheric Administration, National Technical Information Service, Defense Technical Information Center, Oak Ridge Laboratories of the Department of Energy, U.S. Geological Survey, Environmental Protection Agency, National Air and Space Administration, Library of Congress, Roper Public Opinion Poll, University of Maryland, and Department of Veterans Affairs.

Building on this database project, a related project called "Assisted Search for Knowledge (ASK)" will be undertaken in which a system will be developed that will allow students, researchers, policy makers, and the general public to navigate easily through the vast amount of global change data and information to get exactly what they need.

"ASK will let users browse through data and documents, search files, selectively review and order data and documents, use intelligent hypertext to find related information, construct complex queries, or state questions in simple English," André said. "Basically, it will make searching data and information as simple as possible."

To search the sample database over the Internet:

- Telnet: esdim2.esdim.noaa.gov;
- Logon: conquest;
- Password: conquest11 (use lower-case letters and note that the password numbers are one-one).

For additional information contact Roberta Rand at:

Telephone: (301) 504-6684
TDD/TTY: (301) 504-6856
FAX: (301) 504-7473
Internet: rrand@nalusda.gov

Or write to:

Roberta Rand
Information Systems Division
National Agricultural Library, USDA
10301 Baltimore Boulevard
Beltsville, MD 20705-2351





**Animal
Welfare**

Animal Welfare Bibliographies Update

The National Agricultural Library's Animal Welfare Information Center (AWIC) has supplied a list of animal welfare bibliographies in several categories that are still available to persons who wish to request free copies. The materials were identified in NAL's AGRICOLA bibliographic database. Most of the materials listed in the bibliographies are available in the NAL collection. The bibliographies are:

Bibliographies on Caring for Farm Animals

Housing, Husbandry, and Welfare of Swine (QB 94-14)

Housing, Husbandry, and Welfare of Poultry (QB 94-15)

Housing, Husbandry, and Welfare of Rabbits (QB 94-16)

Anesthesia and Analgesia for Farm Animals (QB 94-21)

Jean Larson, AWIC coordinator, stated that the bibliographies list hundreds of articles, research reports, books and other materials on these specific topics. "The items listed would be helpful to farmers and anyone doing research with these animals," she said.

Bibliographies on the Use and Care of Laboratory Animals

Animal Models in Biomedical Research: Swine (SRB 94-01)

Training Material for Animal Facility Personnel (QB 94-17)

Anesthesia and Analgesia for Companion and Laboratory Animals (QB 94-18)

Animal Models of Disease (QB 94-19)

Larson said that this group was "developed to assist scientists and others working in laboratories where animals are used in research."

Bibliographies on the Welfare of Cats and Dogs

The Dog (QB 94-24)

The Cat (QB 94-25)

"From infectious diseases to aggressive behavior to breeding," Larson indicated, these bibliographies contain "just about every subject related to dogs and cats. We developed the bibliographies for pet owners, breeders, veterinarians, scientists and others who

may be doing research on cats and dogs."

Animal Welfare Legislation and Regulations

Animal Welfare Legislation and Regulations (QB 94-23)

A list of literature and other materials on animal welfare legislation and regulations is the final category in this review of AWIC *Quick Bibliographies* and *Special Reference Briefs*. This bibliography will help anyone who needs to know the laws and regulations on animal welfare and their application.

For copies of any or all of the publications, send a request, specifying the publication(s) desired, with a self-addressed mailing label, to:

*Animal Welfare Information
Center*

*National Agricultural Library,
5th Floor*

*10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351*

Telephone: (301) 504-6212

TTY: (301) 504-6856

Fax: (301) 504-6409

Internet: awic@nalusda.gov



**Food &
Nutrition**

Foodborne Illness Education Information Center Set Up at NAL

Information on foodborne illness education is available from a new information service at the National Agricultural Library. Part of NAL's Food and Nutrition Information Center (FNIC), the new service, called the USDA/FDA Foodborne Illness Education Information Center, is in business for educators, trainers, and organizations developing education and training materials for food workers and consumers. It is a joint program of USDA's Food Safety and Inspection Service (FSIS) and the Food and Drug Administration (FDA).

Cindy Roberts, information specialist with the new information center, indicated that "USDA and FDA established the center as part of a national campaign to reduce the risk of foodborne illness and to increase knowledge of

food-related risks at all stages of food handling and preparation, from producers to consumers." Roberts also said, "The center's primary function is the development and maintenance of an educational database that is a compilation of consumer and food worker education materials developed by universities, private companies, and government agencies."

Materials listed in the database include computer software, audiovisuals, posters, games, and teaching guides for elementary and secondary school curricula. Also included are training materials for managers and workers at retail food markets and food service institutions.

Reports derived from the database, primarily lists of the contents, are free and available by modem via the Internet from the FNIC gopher. To access the database via gopher, telnet to a favorite gopher, choose "All other gophers," then "Gopher servers in the USA," then "Maryland," then "Food and Nutrition Information Center, USDA." From the menu displayed look under "USDA/FDA Foodborne Illness Education Information Center."

The center can also be accessed through NAL's electronic bulletin board ALF.

Floppy disk copies of the database are available from the center.

Additional information on the database and the center are available by contacting Roberts at:

*USDA/FDA Foodborne Illness
Education Information Center
c/o Food and Nutrition Information
Center, Room 304
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

*Telephone: (301) 504-5719
TDD/TTY: (301) 504-6856
Fax (301) 504-6409
Internet: croberts@nalusda.gov*



Aquaculture Resource Guide Available from NAL

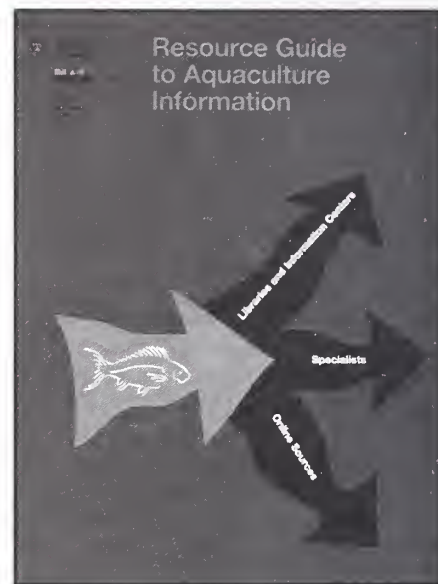
A comprehensive *Resource Guide to Aquaculture Information* is available from NAL's Aquaculture Information Center (AIC). The guide lists over 500 resources for information on all aspects of aquaculture. Included with the listing are addresses, telephone numbers, and, where available, e-mail addresses.

"This guide is for use by aquaculturalists, researchers, students, educators, industry members, and others seeking initial contact points for information on the growing industry of aquaculture," said AIC acting coordinator Eileen McVey. "The guide can be a starting point for finding answers to just about all aquaculture questions."

McVey also stated that "interest in aquaculture in the U.S. and the world is rapidly spreading, and with it the demand for information. This guide is probably the best source available today for finding that information."

The guide is divided into 11 sections and includes academic libraries, Federal and state libraries, aquaculture journals and newsletters, electronic and online resources, trade and professional associations, Extension Service contacts, State Aquaculture Coordinators, Federal agencies—regional and national, Regional Aquaculture Centers, and equipment and supply sources.

The guide was produced by the Joint Subcommittee on Aquaculture, Aquaculture Information and Technology Transfer Task Force. The task force is comprised of representatives from



Federal agencies, academia, and private industry, and has a mission to provide leadership and guidance in the collection and dissemination of aquacultural information in the United States. Funding for the guide was provided by the USDA Extension Service, the U.S. Fish and Wildlife Service, and the Department of Commerce's National Coastal Resources and Development Institute and National Sea Grant College Program. NAL's Aquaculture Information Center coordinated the project.

To obtain a copy of the guide, send a self-addressed label with the request to:

*Aquaculture Information Center
National Agricultural Library, USDA
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

For additional information contact the Aquaculture Information Center at:

*Telephone: (301) 504-5558
TDD/TTY: (301) 504-6856
FAX: (301) 504-6409
Internet: aic@nalusda.gov*



Biotechnology



**Alternative
Farming
Systems**

Joint Biotechnology and Sustainable Agriculture Bibliography

Biotechnology's use in the growing field of sustainable agriculture is the subject covered in articles listed in a new bibliography from the National Agricultural Library. *Biotechnology and Sustainable Agriculture: A Bibliography* (SRB 94-13) lists 127 articles by recognized authorities on the future of biotechnology in sustainable agriculture. The bibliography was produced jointly by NAL's Biotechnology Information Center (BIC) and Alternative Farming Systems Information Center (AFSIC).

"Biotechnology has the potential to provide farmers with alternatives to chemicals in controlling pests and weeds," said Dr. Ray Dobert, BIC coordinator. "However, one concern that has been voiced regarding biotechnology is the possibility that it would lead to greater farmer dependence on new technology. The debate becomes: are these two fields compatible with each other?"

According to AFSIC Coordinator Jane Gates, the new NAL bibliography is just the beginning in trying to resolve that question. "While not an exhaustive search of the literature on the subject, the items listed in the bibliography can serve as a foundation on which to build as the dialogue continues in the future," Gates said.

The literature listed covers the impact of biotechnology on alternative pest control methods, and the cultural and sociological changes that biotechnology could bring to agriculture. Cita-

tions are from NAL's AGRICOLA bibliographic database, and articles are available in the NAL collection.

To obtain a copy of the bibliography, send a self-addressed label with the request to either BIC or AFSIC, care of:

*National Agricultural Library, USDA
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

For additional information contact either BIC or AFSIC:

*Biotechnology Information Center
Telephone: (301) 504-5947
TDD/TTY: (301) 504-6856
FAX: (301) 504-7098
Internet: biotech@nalusda.gov*

*Alternative Farming Systems Information Center
Telephone: (301) 504-6559
TDD/TTY: (301) 504-6856
FAX: (301) 504-6409
Internet: afsic@nalusda.gov*



**Water
Quality
Information
Center**

Water Quality Info on the Internet

On December 13, 1994, Joseph Makuch, Coordinator of NAL's Water Quality Information Center (WQIC), presented the paper "Sources of Water Quality Information on the Internet" at the 1994 American Society of Agricultural Engineers (ASAE) International Winter Meeting, Building Our Future Through Engineering and Technology, held December 13-14 in Atlanta, Georgia. The paper is ASAE paper number 943533. The paper was presented during a technical session entitled "Internet and the Agricultural Engineer." Attendance at the session was very good—approximately 300 people. All papers from the session are available on the Internet World

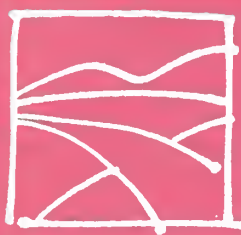
Wide Web at:

<http://pasture.ecn.purdue.edu/~engelb/atlanta.html>

Dan Cabirac of WQIC did the HTML formatting to place the paper on Internet.

WQIC to Exhibit at Environmental Conference

The Water Quality Information Center will have an exhibit at a conference entitled "Clean Water/Clean Environment - 21st Century, Team Agriculture Working to Protect Water Resources." The conference will be held at the Hyatt Regency Crown (See *Water Quality*, p. 16, col. 3)

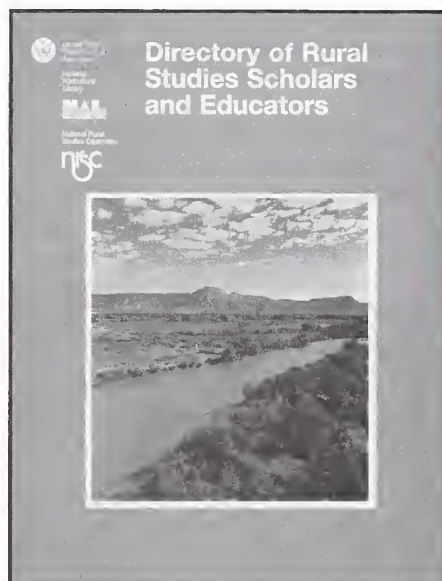


**Rural
Information
Center**

NAL Updates Rural Studies Bibliography and Directory

Two popular reference publications on the developing field of rural studies have been updated and are available from NAL's Rural Information Center (RIC). *A Rural Studies Bibliography* is a listing of 215 books and articles related to all aspects of rural studies. *The Directory of Rural Studies Scholars and Educators* lists U.S. scholars and educators in a range of disciplines who are involved in rural-issues teaching or research.

taken in the range of disciplines that address rural studies topics."



The Directory of Rural Studies Scholars and Educators "can serve as an aid in facilitating communications between those involved in rural studies," John said.

The National Rural Studies Committee, a privately funded group located at Oregon State University, assisted RIC in developing both guides.

To obtain a copy of either or both publications, send a self-addressed label with the request to:

*Rural Information Center, Room
304
National Agricultural Library,
USDA
10301 Baltimore Boulevard
Beltsville, MD 20705-2351*

For additional information contact RIC at:

*Telephone: (301) 504-5372
TDD/TTY: (301) 504-6856
FAX: (301) 504-5181
Internet: ric@nalusda.gov*

(Water Quality, from page 15)

Center, Kansas City, Missouri, March 5-8, 1995, and is sponsored by the USDA Working Group on Water Quality (NAL is a member) in cooperation with many agricultural and environmental organizations. The exhibit area is being billed as the "largest water quality resource fair ever held." For conference information contact the American Society of Agricultural Engineers at 616/429-0300.



**Staff
Update**

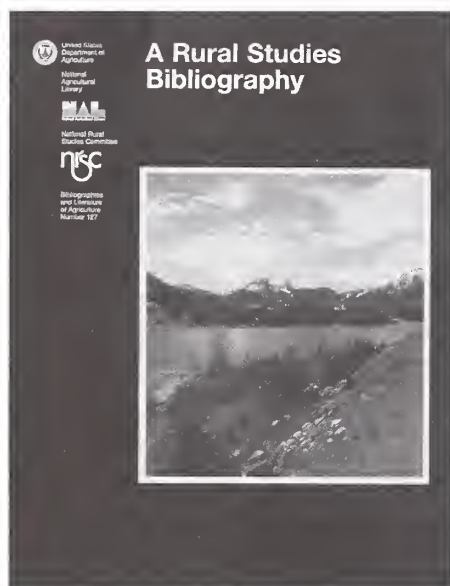
NAL Running Team Wins ARS Fitness Day Event

by Natalie U. Partridge, Food and
Nutrition Information Center, NAL

On your mark...get set...go..., and they're off and running through the Agricultural Research Service (ARS) complex in Beltsville, MD. Runners, participating in the ARS Fitness Day 1.5-mile run, test their endurance on this hot, muggy, spring day.

The National Agricultural Library team, Toxic Waist, is the first to cross the finish line. Led by Natalie Partridge (finish time of 9:09), the team of John Kane, Cynthia Smith, Mike Kreger, Bruce McCormack, Ruth Criscio, and Natalie Partridge won the event with a time of 12:02. The finish time for each team was the time of the last team member to cross the finish line.

Dr. K. Darwin Murrell, Area Director of the Beltsville Agricultural Research Center (BARC), presented the NAL team with a plaque for NAL to



Pat John, RIC coordinator, stated that *A Rural Studies Bibliography* was developed to "serve as a beginning point for graduate students and professionals interested in pursuing topics of rural studies. It is meant to guide interested individuals to research under-

keep for one year. In order to keep the plaque longer, the team will have to run and defend its title in next year's event.

The ARS Fitness Day event, sponsored by the ARS Fitness Center, was held on May 25 on the BARC campus. In addition to the running race, there was a 1.5-mile walk and an obstacle course competition. The NAL team of Doris Richardson, Jean Larson, Eileen McVey, Susan McCarthy, Jane Gates, and Tim Allen participated in the walk.



photo: J. Swab

Toxic Waist Wins

The Toxic Waist Team demonstrates its running form. (L-R standing) Mike Kreger, Bruce McCormack, Natalie Partridge, and Ruth Criscio. (In front) John Kane and Cindy Smith. Mike, Ruth, and Cindy are members of the Animal Welfare Information Center staff. Natalie is a member of the Food and Nutrition Information Center staff, John is coordinator of the Youth Development Information Center, and Bruce is a member of the Current Research Information System staff, CSRS.

Acosta Retires

On September 30, Idalia Acosta, Head of the Cataloging Branch, retired after 20 years of government service. In speeches at her retirement luncheon she was lauded for her many accomplishments and good spirit. The principal speaker was Mike Esman, Head, Special Materials Section, Cataloging Branch, and currently Acting Head of the Branch. Excerpts from his remarks follow:

"This is by no means a somber occasion. If you've been around Idalia for the past 2 months, you've seen the glee in her expression as she's discussed her retirement! It is a time to celebrate her twenty years of service.

"It has been a privilege for me and other members of the Cataloging Branch to work for Idalia. I'm going to list 10 characteristics, traits, etc., that reflect why we have such strong feelings about her:

"First, Idalia has led the Cataloging Branch to many accomplishments: I can only list a few. She has enabled substantial reductions of the backlog and substantial increases in productivity over the past 7 years. She has brought about increased



photo: J. Swab

Idalia Acosta listens as staff pay honor to her at her retirement luncheon at the Rossborough Inn, Univ. of Maryland.



photo: J. Swab

On behalf of NAL, Caroline Early presents awards to Idalia at her retirement.

support for and expanded national cataloging programs such as NACO, CONSER, etc. Idalia has overseen the development of ISIS in the Cataloging Branch and the many procedures that had to be changed with a new on-line catalog. She guided the development and publication of the *World List of Agricultural Serials*. She worked with all of us to adapt to increased automation of the Cataloging Branch and the changes in workflow because of computerization. She has overseen a number of retrospective conversion projects. And she has very ably represented the Branch and the Library at



photo: J. Swab

Mike Esman praises Idalia Accosta on the occasion of her retirement.

American Library Association and other meetings.

"Second, Idalia has a marvelous sense of humor!

"Third, if you have an idea, she's secure enough to let you run with it, and bring the concept to fruition.

"Fourth, Idalia applies rules in a humane way, always understanding the human component of a problem.

"Fifth, Idalia has always provided us with the opportunity for as much professional growth as was possible in light of budget constraints. As well, when appropriate, she has always had an interest in promoting her staff.

"Sixth, Idalia makes the best *Arroz con pollo* this side of Havana.

"Seventh, Idalia has always offered assistance to those who faced adversity. She's one of kindest people I've ever met.

"Eighth, Idalia is an excellent communicator. She has always kept Cataloging Branch staff abreast of NAL and USDA news, as well as, changes occurring in Technical Services and Cataloging.

"Ninth, Idalia's very well organized. We could always rely on her to manage the Branch efficiently, and to make sure that all appropriate paperwork and assignments were done on time.

"And tenth, Idalia has treated each of us with respect and admiration, and those feelings have been returned to her.

"I can say that Idalia is uniformly well liked around the library, and it is our fondness for her that has brought more than 110 people here to her retirement luncheon. I'm sure she has left a powerful impression on staff throughout NAL that will be kept in our hearts and minds for years to come."

Wertman Retires

Ruth Wertman, who first joined the NAL staff in January 1957 soon after graduating from high school in Alexandria, VA, retired at the beginning of September. From 1957 to 1968 she held several positions at the library in various units including the administrative offices and acquisitions with breaks in service while earning her Bachelor of Science degree in biology at George Washington University, working in private industry, and working at the Applied Physics Laboratory at Johns Hopkins University. She has also augmented her science background with a number of library science courses.

Since 1968 Wertman has been a technical information specialist in biological sciences in NAL's Technical Services Division. About 16 of the middle years of that were in Indexing, while the beginning years and the most recent seven years have been in Acquisitions. In addition to her work selecting, ordering, processing, and indexing materials in these two units, Wertman has had a special interest in analysis of workflow and solving problems. In 1989 she planned and carried out NAL's PRO*TEM (PROcessing Time Evaluation and Measurement) study which gathered and analyzed data regarding how long it took to get an item listed bibliographically in NAL's database AGRICOLA and made available to users from the moment of selection through ordering, receipt, cataloging, indexing, and processing into the collection. (See pages 1-4 of the September 1989 ALIN, vol. 15, no. 9, "Throughput Changes Make Pubs Available Sooner, AGRICOLA Listings Quicker" by Sarah E. Thomas). Among others of Wertman's accomplishments have been training projects, tracking of acquisitions funds, and internal reviews of activities. In addition, for the last six years, Wertman has been the librarian in charge of the Government Printing Office depository



photo: J. Swab

Ruth Wertman

program at NAL. She has served on NAL's EEO committees in the past.

A native of North Dakota, Wertman grew up in the Washington, DC, area. She is married to William Wertman, a mathematician who retired last January from the Naval Surface Warfare Center in Silver Spring, Maryland, and who teaches part-time at Montgomery Community College. Among other interests Ruth Wertman enjoys painting in watercolors and sewing clothing for the poor (as a hobby and volunteer). In retirement she plans to do some backyard gardening to attract birds and will be volunteering to care for sick elderly people. She also said about retirement, "I'll be getting in touch with parts of my personality submerged for all these years."

—Joseph N. Swab



photo: B. Norris

A group of friends invited Ruth and her husband to lunch to celebrate her retirement and ordered a white, stretch limousine to take them. (L-R) Stacey Cole, Ann Palmes, Shirley Evans, Sue Leatherman, Ruth Wertman, Bill Wertman, Phil Whitman (the driver), and Carolyn Deckers.

Kincaid Retires

In early August Margo Kincaid retired after more than six years in NAL's Information Systems Division. She began her NAL work as a computer programmer in the Library Automation Branch, where she started out generating *Quick Bibliographies* from searches performed in the Public Services Division, and writing to tape the weekly updates to the AGRICOLA database for Technical Services. Soon thereafter she became a computer specialist in the Database Administration Branch, where she handled cataloging and indexing production for AGRICOLA, and testing software and implementing and maintaining programs for ISIS (Integrated System for Information Services).

Before coming to NAL Kincaid worked for 16 years as a secretary in the

Agricultural Research Service (ARS), at the end with the Deputy Administrator for National Program Staff. During the last four years of that time she had been taking computer courses at Prince Georges Community College and worked toward an AA in Business Computer Programming, qualifying her for the positions at NAL.

Margo Kincaid's husband, David Kincaid, recently retired as Director of International Activities, ARS, Beltsville. Among the Kincaids' retirement interests will be walking several miles each day, furniture refinishing, cross-country skiing, vegetable gardening, and surf fishing at Nags Head. During the course of a post-retirement contact with the interviewer, Margo—who took an early retirement to be with her husband—exclaimed, "Retirement's wonderful!"

—Joseph N. Swab



photo: J. Swab

David and Margo Kincaid



photo: J. Swab

Thor Lehnert

Lehnert Retires

Thor Lehnert, a Technical Information Specialist in NAL's Indexing Branch, retired at the end of September 1994. He had joined the NAL staff in 1981 as an indexer. From 1985-87 he worked in NAL's Acquisitions Branch, and then returned to Indexing.

Before coming to NAL, Lehnert had been a research entomologist in the Apiculture Laboratory of USDA's Agricultural Research Service (ARS) in Beltsville, Maryland, for 18 years. He had earned his B.S. and done graduate work at the University of Maryland before employment with ARS in 1959. During his time with ARS he authored or co-authored more than thirty research publications in bee pathology. At NAL he has been co-compiler/editor of several revisions of NAL's *List of Journals Indexed*.

One of the things to which Thor Lehnert looks forward in retirement is traveling, especially to Germany.

Sturges Heads AFT Farmland Information Center

Denyse K. Sturges, librarian for the Farmland Information Center of the American Farmland Trust (AFT), visited NAL during the week of July 11 in order to meet with NAL staff and to attend the AGRICOLA training workshop. Prior to beginning work for the AFT in June, she had been Internet Coordinator, Reference Department, University of Illinois, Chicago.

The AFT was selected by the NAL in 1993 to operate the nation's first private farmland information center (see "NAL Names First Private Farmland Information Center," *ALIN* Vol. 19, Nos. 5-7, p.4, May-July 1993). Centers were authorized by the Farmland Protection Policy Act of 1981, and are charged with collecting and distributing information on farmland loss and protection. Founded in 1980, AFT already has a large collection of information on agricultural land resources.

Denyse Sturges has a B.S. in Horticulture (1977); M.A. coursework in American History with a minor in photography (1989); and an M.A. from the School of Library and Information Science, University of Missouri-Columbia (1990). She did a two year post graduate residency with the University of Illinois at Chicago before entering the Reference Department there in 1992.

Sturges was born in Mitchell, South Dakota, and raised in small towns in SD, IA, MN, ND, and MO. Her professional interests include electronic publication (readability, format, distribution), rural and community access to electronic materials, and land use history. Her personal interests include quilting, literature (especially dealing with the Dakotas—Native American society and culture, immigration, and land settlement), and black and white photography.

Sturges is enthusiastic about her new job, and about the training, people, and resources of NAL. In turn, NAL staff are enthusiastic about working



photo: J. Swab

Denyse Sturges

with her to improve access to farmland information in accordance with the Memorandum of Understanding between NAL and AFT.

For more information about the center, contact Denyse Sturges at the AFT's research and education facility:

Center for Agriculture In The Environment
P.O. Box 987
DeKalb, IL 60115

Telephone: (815) 753-9347
FAX: (815) 753-2305

For information about NAL's activities related to the cooperative program, contact:

*Jane Gates, Coordinator
Alternative Farming Systems
Information Center
National Agricultural Library
10301 Baltimore Boulevard
Beltsville, Maryland 20705-2351
Telephone: (301) 504-5724
TDD/TTY: (301) 504-6856
Fax: (301) 504-6409
Internet: jgates@nalusda.gov*
—Jane Gates

Horn Appointed to USDA Science and Education



USDA photo

Floyd Horn

On September 1, 1994, R. D. Plowman, Acting Assistant Secretary for Science and Education, stated in a notice to USDA:

"We are pleased to announce the appointment of Dr. Floyd P. Horn as Deputy Assistant Secretary for Science and Education. Dr. Horn is no stranger to the Department [of Agriculture] having served for 24 years as a scientist, a research leader, and administrator for the Agricultural Research Service [ARS]. His current assignment is Director for the Southern Plains Area located at College Station, Texas. He has responsibility for all ARS research in the States of Oklahoma, Texas, New Mexico, and Arkansas as well as programs in Mexico and Costa Rica. Dr. Horn is a native of Maine and received his B.S. degree at Orono in Animal Science. His M.S. and Ph.D. degrees were earned at West Virginia University in Ruminant Nutrition. Dr. Horn is well known for his effective leadership among diverse groups and on a host of issues."

Dr. Horn took up his new position on October 16. In the subsequent USDA reorganization he was named

Deputy Under Secretary for Research, Education, and Economics.

Dr. Horn began his career with ARS in 1970 as a research animal scientist at its Grazinglands Research Laboratory, formerly known as the Forage and Livestock Research Laboratory, in El Reno, Oklahoma. He was appointed as the director of that lab in 1973 before becoming the Associate Area Director for the Northern States Area, in St. Paul, Minnesota, in 1985. He served there until January 1987, when he became Director of the Southern Plains Area. The author of numerous professional publications, Dr. Horn has presented papers at meetings in many places around the world.

Until a new Under Secretary for Research, Education, and Economics is appointed, Dr. Horn will be acting in that position. Research, Education, and Economics is a new super agency comprising four agencies Agricultural Research Service (to which the National Agricultural Library is merged); the Cooperative State Research, Education, and Extension Service; the Economic Research Service; and the National Agricultural Statistics Service.

Nunc Dimittis Albert Frederick Johnson

Albert Frederick Johnson, a member of NAL's Indexing Branch staff since 1975, died suddenly at his home in Beltsville, Maryland, on July 31, 1994.

Johnson was born in Trenton, New Jersey, of American parents in 1924. His father left the U.S. for the U.S.S.R. in 1930, under contract with the All-Union Electrical Society in Moscow. A year later, Johnson and his mother left the U.S. to join his father, only to learn upon arrival in Moscow that the father had died from a blood infection.

Johnson and his mother remained in the U.S.S.R. There he graduated from the Timiryazev Agricultural Academy in 1952, receiving a degree



photo: D. Starr

as Agronomist Scientist. He held a series of plant breeding research positions before gravitating to library and information science in 1967. Johnson and his mother returned to the U.S. in 1973, following a lengthy odyssey that was difficult at times.

In addition to his indexing duties, Johnson frequently provided translations of Russian literature for USDA scientists at the Beltsville Agricultural Research Center. He also served as an interpreter for many visitors. As an indexer, Johnson was a seriously dedicated civil servant.

Albert F. Johnson is survived by his wife, Anna. He will be missed.

—Donald Blamberg

In Memoriam: Richard A. Farley

Richard Alan Farley, 76, Director of the National Agricultural Library from July 1974 through January 1983, died suddenly September 24, 1994, at his home in Sedalia, Missouri. He had heart ailments.

At the National Agricultural Library, Farley continued the process of automation initiated by his predecessors. He was a strong supporter of preservation activities at NAL and throughout the land-grant university library community and the building of collections and providing access to them via computer databases and derivative products. He initiated the Blue Ribbon Panel which resulted in increased support and improvements in NAL after his retirement. Before becoming NAL Director, he had served on the ad hoc committee for the National Agricultural Library studying an agricultural sciences information network. He was a member of the Associates of the National Agricultural Library, Inc., a group that promotes the development of the library, joining before becoming NAL Director and continuing after his retirement.

Dr. Farley was born in Highbridge, Ashland County, Wisconsin, January 17, 1918. He earned bachelor's degrees from Northland College, Ashland, Wisconsin, 1936-40, and from the University of Wisconsin Library School, Madison, 1940-41, and master's, 1951-52, and Ph.D. degrees, 1952-67, from the University of Illinois



USDA photo

Library School, Urbana.

He began his professional career in 1941 as assistant librarian at Beloit College, Wisconsin. He served in the Air Corps in the South Pacific, 1942-46. In 1946, he joined the staff of the University of Nebraska library system at Lincoln, where he became assistant director, left in 1949 to become director of libraries at Drake University, Des Moines, Iowa, 1949-51, and returned to Lincoln in 1954 as associate director. He was professor and librarian at Kansas State Teachers College, Emporia, 1963-66, professor and head of the land-grant library system at Kansas State University, Manhattan,

1966-72, and director of Libraries at McGill University, Montreal, 1972-74, before coming to NAL at Beltsville.

Farley served on the Council, 1962-66, and many committees of the American Library Association, of which he was a member for 53 years. He held presidencies, honorary memberships, and other offices in the Association of College and Research Libraries, the American Society for Information Science, and the Mountain Plains, Kansas, Nebraska, and other Library Associations. He was active in the Association of American University Professors.

Farley was a designer of buildings, among them libraries at the University of Nebraska, Hesston College (Kansas), Miltonvale Wesleyan College (Kansas), Kansas State University (Manhattan), and Stephen F. Austin State University in Nacogdoches, Texas. He served as a consultant for community college libraries in Colby and Garden City, Kansas.

During his years with the U. S. Department of Agriculture, the Farleys resided in Adelphi, Maryland, where they were members of the Episcopal Church of Our Savior, in nearby Silver Spring.

He is survived by his wife of 52 years, the former Mary Ann Erickson, and others.

—Harry Dewey, *et al.*

Char Harre

Char Harre, a former NAL secretary who retired from NAL's Cataloging Branch in November 1991, died on December 12.

Prior to coming to NAL in November 1986, she had been a secretary for the Navy in the Panama Canal Zone and at the National Naval Medical Center, Bethesda, MD. As a teacher for nine years, she specialized in the arts, remedial reading, and work with the learning disabled.



photo: J. Swab

She had worked as a professional artist and painting instructor, and had published poems and short stories. Active for many years directing, acting, and designing for theatre, she most recently worked as director/designer for the Prince George's County [MD] Summer Teen Theatre.

While employed at NAL, she concentrated her leisure creative energy on reproducing antique porcelain dolls. Among survivors are four daughters and

In Memoriam Anna Christine Justin

Chris Justin, as she was known to NAL and USDA staff, died of cardiac arrest at age 76 on August 2 at her home in Alexandria, Virginia. At the time of her retirement in 1979, she was the head of the USDA/NAL Food and Nutrition Information Center (FNIC). She was the second manager to lead FNIC, taking over from Dean Gamble in 1972, when he became NAL's Chief of Public Services, and developed the center to a place of prominence in NAL's services and USDA's food and nutrition programs.

The development of the center in the areas of collection development and access, services, and outreach under Justin's leadership became the prototype for more than a dozen subsequent information centers at NAL and institutions cooperating with the Library. Building on a small, start-up collection, Justin acquired materials in all media, initiated the cataloging, abstracting, and indexing of those materials as a subset of NAL's AGRI-



USDA photo

COLA database, and contracted for the first publications providing access. She created a range of services of both traditional reference and lending services for departmental professionals

and other users and specialized services for a national clientele of school food service personnel. In the area of outreach activities, she sponsored workshops, gave presentations and exhibited at conferences, and set a pattern followed by later information centers.

A native of Vernon, Texas, and a graduate of Texas Woman's University, Justin had lived in the Washington area since the late 1940's. Before joining the USDA's Food and Nutrition Service in the late 1940's, she had been a dietitian for the Navy Department. She retired with 30 years of service in USDA.

After retiring Justin was a member of the Audubon Society, the American Horticultural Society, and the Old Presbyterian Meeting House in Alexandria.

There are no immediate survivors.

— Joseph N. Swab, *et al.*

Special Emphasis Programs & Activities at NAL

On this and the next page are photo highlights from a number of Special Emphasis Programs activities held since the last time reported in *ALIN*. These programs emphasize cultural diversity and cultural heritage, and are presented in conjunction with Equal Employment Opportunity programs and other agency activities to ensure that staff achieve their maximum potential in an environment conducive to proficiency and productivity.



photo: D. Starr

NAL staff in costumes representing several cultural heritages, performed at a program celebrating Asian/Pacific Heritage Month.



photos: J. Swab

(Above) Harpist David Scheim plays and sings Celtic music at the joint NAL/ARS Multicultural Festival while staff listen and join the picnic line.

(Right) Poet Jeri Knox reads from her poetry at an NAL/ARS Black History Month Program.



photo: J. Swab

(Above) At an NAL/ARS Black History Month Program, Amartey Hedzoleh Laryea played about a dozen instruments from West Africa, and sang several folk songs.



(Left) The Duval Senior High School Concert Choir, directed by Ms. Valensia Howard, performed at a Black History Month program, cosponsored by NAL at the ARS auditorium.

photo: J. Swab



New Bibliographies

The bibliographies in the *Quick Bibliography* series are primarily computerized online as batch bibliographies emanating from searches performed by the NAL Public Services Division Staff in response to customer requests. Searches are selected for inclusion based on the currency of the topic, interest among clientele, and probable value to a larger audience. Since October 1988, all *QB's* include search strategies. Unless otherwise specified, citations are from AGRICOLA.

The other bibliographic series, including *Special Reference Briefs*, have been researched and produced to meet special needs of clientele of the Library and its Information Centers. Revisions or updates will be announced when produced. Only one copy of a requested title will be sent; however, requesters may make copies. To request a copy of a *Quick Bibliography*, *Special Reference Brief*, or other bibliographic work, circle the desired title(s) below and send your request with a self-addressed label to:

Reference Branch, Room 100
National Agricultural Library, USDA
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Quick Bibliographies

Q.B. 94-42. *Biotechnology: Risk Assessment, January 1986-April 1994.* 214 citations; languages: none excluded. Prepared by Daniel Cabirac and Raymond Dobert. Biotechnology Information Center. July 1994. Updates Q.B. 92-52.

Q.B. 94-43. *Aquaculture: Shrimp Farming, January 1979-April 1994.* 142 citations; languages: none excluded.

Prepared by Ann Townsend Young and Mary E. Edsall. Aquaculture Information Center. July 1994.

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Q.B. 94-45. *Rural Leadership, January 1984-May 1994.* 135 citations in English. Prepared by Patricia La Caille John. Rural Information Center. August 1994. Updates Q.B. 93-51.

Q.B. 94-46. *Rural Education, January 1984-May 1994.* 214 citations in English. Prepared by Patricia La Caille John. Rural Information Center. August 1994. Updates Q.B. 92-15.

Q.B. 94-47. *Aquaculture: Spirulina and Other Microalgae, January 1986-April 1994.* 81 citations; languages: none excluded. Prepared by Ann Townsend Young. Aquaculture Information Center. August 1994.

Q.B. 94-48. *Gene Expression in Oilseed, Fiber and Forage Crops, January 1992-May 1994.* 175 citations in English. Prepared by Raymond Dobert. Biotechnology Information Center. August 1994. Updates Q.B. 93-16.

Q.B. 94-49. *Biotechnology: Gene Gun/Biolistic Technology, January 1987-June 1994.* 107 citations in English. Prepared by Kim Guenther and Raymond Dobert. Biotechnology Information Center. August 1994.

Q.B. 94-50. *Biotechnology: Bioremediation, January 1992-May 1994.* 162 citations in English. Prepared by Kim Guenther and Raymond

Dobert. Biotechnology Information Center. August 1994. Updates Q.B. 92-47.

Q.B. 94-51. *Double Cropping and Interplanting, January 1991-February 1994.* 391 citations in English. Prepared by Mary V. Gold. Alternative Farming Systems Information Center. August 1994. Updates Q.B. 91-122.

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Q.B. -94-56. *Allelopathy: The Effects of Chemicals Produced by Plants, January 1990-March 1994.* 244 citations; languages: none excluded. Prepared by Henry Gilbert. Reference and User Services Branch. September 1994. Updates Q.B. 92-50.

Q.B. -94-57. *Gene Expression in Cereal Crops, June 1992-May 1994.* 268 citations in English. Prepared by Raymond Dobert. Biotechnology Information Center. September 1994. Updates Q.B. 93-16.

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Q.B.—94-60. *Herbicide Tolerance/Resistance in Plants*, April 1991-March 1994. 342 citations in English. Prepared by Raymond Dobert. Biotechnology Information Center. September 1994. Updates Q.B. 91-104.

Special Reference Briefs

SRB—94-8. *Selected Resources on Sibling Abuse: An Annotated Bibliography for Researchers, Educators and Consumers*. Prepared by Billie H. Frazier and Kathleen C. Hayes. Technology Transfer Information Center. July 1994. 30p.

SRB—94-09. *Nutrition Education Materials and Audiovisuals for Grades Preschool through 6*. Prepared by Shirley King Evans. Food and Nutrition Information Center. July 1994. 65p.

SRB—94-10. *Nutrition Education Materials and Audiovisuals for Grades 7 through 12*. Prepared by Shirley King Evans. Food and Nutrition Information Center. July 1994. 51p.

SRB—94-11. *Biotechnology: International Affairs*. Prepared by Raymond Dobert and Janet Saunders. Biotechnology Information Center. July 1994. Updates SRB 91-12. 51p.

SRB—94-12. *South America's Economic Development and Emerging Markets*. Prepared by Mary E. Lassanyi. Agricultural Trade and Marketing Information Center. August 1994. 66p.

SRB—94-13. *Biotechnology and Sustainable Agriculture: A Bibliography*. Prepared by Kim Guenther. Biotechnology Information Center. Edited by Raymond Dobert, Biotechnology Information Center, and Jane Potter Gates, Alternative Farming Systems Information Center. September 1994. 32p.

Rural Information Center Publication Series

R.I.C.P.S.—37. *Federal Funding Sources for Rural Areas*. Compiled by M. Louise Reynnells. Rural Information Center. September 1994. 103p.



Surplus Publications

The National Agricultural Library will provide the following surplus publications to any interested organization that regularly sends free publications to NAL, including most Federal, land-grant, and agricultural research institutions, and foreign exchange partners. Titles not requested will be purged six months after the initial listing.

If interested, please send an addressed label with your request to:
National Agricultural Library, USDA
 Attn: Gift and Exchange/PG,
 Room 002
 10301 Baltimore Boulevard
 Beltsville, MD 20705-2351
 Or call Patsy Graves, (301) 504-7061
 TDD/TTY: (301) 504-6856
 FAX: (301) 504-5243; or
 INTERNET: pgraves@nalusda.gov

Agronomy Journal. 1973-89.

American Economic Review. 1962-93.

American Society of Agronomy Journal (Agronomy Journal). Vols. 17-72.

Annals of Applied Biology. 1970-3/1975.

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Selected Electronic Sources of Food and Nutrition Information. Prepared by Rebecca Thompson. Information Centers Branch. September 1994. 70p. Updates May 1993 edition.

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Northeastern Weed Control Conference Proceedings. 1952-90.

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Phytopathology. 1974-79.

Review of Applied Mycology. 1959-72.

Soil Science. Vols. 69-130.

Soil Science Society of America Journal. 1976-89.

Southern Weed Science Society Proceedings & Research Reports. 1961-71, 1981, 1983.

Tappi Journal. 1993-94.

Serial Gaps

The National Agricultural Library identifies gaps in the national collection through collection maintenance activities and patron requests. We would appreciate your donation of the following publications needed to complete NAL collections. If you have questions, contact:

Patsy Graves, (301) 504-7061

TDD/TTY: (301) 504-6856

FAX: (301) 504-5243; or

INTERNET: pgraves@nalusda.gov

Send items to:

National Agricultural Library
Gift and Exchange Program/PG,
Room 002G
10301 Baltimore Boulevard
Beltsville, MD 20705-2351

Acta Botanica Islandica. Vols. 4, 5, 7, 8, 9.

Anuario Hortofruticola Espanol. 1976, 1980-86, 1988.

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aTD195.B58B57

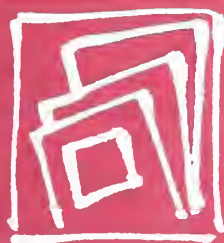
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Annual Monitoring and Evaluation



**New Serials
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at NAL**

ATTRAnews / Appropriate Technology Transfer for Rural Areas. Fayetteville, AK: Quarterly. Vol. 1, no. 1 (Sept. 1990)-

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Agri News: A Quarterly Newsletter of the Ministry of Agriculture. Lilongwe [Malawi]: The Ministry. Quarterly. Vol. 1, no. 1 (Apr. 1993)-

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Alternative Crop Notebook. [Ottawa] Canada: Agriculture Development Branch, Crop Development Division. Two no. a year. Vol. 1 (Apr. 1989)-

S494.5.A65A49

Anadolu: Ege Tarımsal Arastırma Enstitüsü dergisi = Journal of Aegean Agricultural Research Institute. İzmir, Türkiye: Tarım Orman ve Köyisleri Bakanlığı, Ege Tarımsal Arastırma Enstitüsü Müdürlüğü. Semiannual. Cilt 1, sayı 1- 1992-

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LIST OF KEY NAL PERSONNEL AND SERVICES

NAL ORGANIZATION	Contact	Area 301	FAX #	Internet* @nalusda.gov
TTY (For All NAL Personnel and Services)		504-6856		
Director	Pamela André	504-5248	504-7042	pandre
Assistant Director for Policy and Planning	Maria Pisa	504-6780	504-7042	mpisa
Public Affairs Specialist	Brian Norris	504-6778	504-5472	bnorris
Special Services & Communications	Joseph Swab	504-6778	504-5472	jswab
Administrative Manager	Marlene Taylor	504-5570	504-7042	mtaylor
Facilities Manager	Clarence Keen	504-5843	504-5472	ckeen
Associate Director for Automation		504-5018	504-5472	
Assistant to Assoc. Dir., Automation	Richard Thompson	504-5018	504-5472	rthomp
Database Administration Branch	Gary McCone	504-6813	504-7473	gmccone
Current Awareness Literature Service	Anita Speight	504-6859	504-7473	aspeight
ISIS Coordinator	Claudia Weston	504-6813	504-7473	cweston
ISIS Support Line	Chuck Schoppet	504-6342	504-7473	cschoppe
Text Digitizing	Judi Zidar	504-5853	504-7473	jzidar
Library Automation Branch	William Feidt	504-6967	504-7473	wfeidt
End-User Support	Grace Sines	504-6967	504-7473	gsines
Networking	Steve Rose	504-6967	504-7473	srose
OCLC Coordinator	David Goldberg	504-6967	504-7473	dgoldber
Associate Director for Public Services	Keith Russell	504-5834	504-5472	krussell
Assistant to Assoc. Dir., Public Services	Janice Kemp	504-5834	504-5472	jkemp
ARS Field Libraries	Peggy Beavers	504-5834	504-5472	pbeavers
Document Delivery Services Branch	Carol Ditzler	504-6503	504-5675	ddsbhead
Circulation Section	Susan Fugate	504-6503	504-5675	sfugate
INFORMATION & Circulation Desk	NAL Staff	504-5755	504-5675	circinfo
Loan Renewals	NAL Staff	504-5798	504-5675	circinfo
Stack Passes	NAL Staff	504-5755	504-5675	circinfo
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NTIS - ILL Billing	NAL Staff	504-6503	504-5675	ddsbhead
Information Centers Branch	Robyn Frank	504-5414	504-6409	rfrank
Agricultural Trade & Marketing Inf. Ctr	Mary Lassanyi	504-5509	504-6409	mlassany
Alternative Farming Systems Info. Ctr	Jane Gates	504-5724	504-6409	kgates
Animal Welfare Information Center	Jean Larson	504-5215	504-7125	jl Larson
Aquaculture Information Center	Eileen McVey	504-5558	504-6409	emcvey
Food and Nutrition Information Center	Sandy Facinoli	504-5414	504-6409	fnic
Rural Information Center	Patricia John	504-5372	504-5181	pjohn
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Reference & User Services Branch	Leslie Kulp	504-6875	504-6927	lkulp
Coordinator of Information Programs	Alvetta Pindell	504-5204	504-6927	apindell
Reference Section	Alvetta Pindell, Acting	504-5204	504-6927	apindell
Reference Desk	Librarian on Duty	504-5479	504-6927	agref

NAL ORGANIZATION**Contact****Area 301****FAX #****Internet*****@nalusda.gov**

Grain Dust Project	Sheldon Cheney	504-5204	504-6927	schaney
Periodicals Reading Room	Patricia Krug	504-5204	504-6927	pkrug
Russian Wheat Aphids Project	Wayne Olson	504-5204	504-6927	wolson
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Educational Programs Section	Deborah Richardson	504-5779	504-6927	drichard
Exhibits Planning & Scheduling	Deborah Richardson	504-5779	504-6927	drichard
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Technology Demonstration Center	Deborah Richardson	504-5779	504-6927	drichard
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Global Change (services issues)	Janet Wright	[see DC # below]		jwright
Global Change (technical issues)	Roberta Rand	504-6684	504-7473	rrand
Plant Genome Data and Info. Center	Susan McCarthy	504-6613	504-7098	pgenome
Preservation and Access Program	Alan Fusonie, Acting	504-5876	504-7098	afusonie
Special Collections Program	Alan Fusonie	504-5876	504-7098	afusonie
Special Collections Reading Room	NAL Staff	504-5876	504-7098	
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Technical Services Division

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Serials and Binding	Win Gelenter	504-6573	504-5243	wgelente
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Head, Monographic Section & NACO	Donna Collins	504-6730	504-5471	dcollins
Head, Serials Section & CONSER	Kathleen Dougherty	504-5046	504-5471	kdougher
Head, Special Materials Section	Michael Esman	504-5042	504-5471	mesman
Indexing Branch	Shirley Edwards	504-6829	504-5213	sedwards
Head, Thesaurus Management Section	Martha Hood	504-6829	504-5213	mhood
Head, Animal Sciences Section	Carol Dowling, acting	504-6829	504-5213	cdowling
Head, Plant Sciences Section	Janet Berkson	504-6829	504-5213	jberkson

Public Services in Washington, DC**Area 202**

D. C. Reference Center	Janet Wright	720-3434	720-3200	jwright
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* The NAL Internet addresses consist of the name abbreviations plus: @nalusda.gov

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Cultural Diversity and Special Emphasis Programs



photos: J. Swab

Throughout the year NAL sponsors a series of cultural diversity and special emphasis programs, one of which featured the Latino dance group known as Sister Blanco that performed at a joint NAL/ARS Multicultural Festival (above). In conjunction with another, the library created the Native Americans Exhibit (above right). For more on NAL's Special Emphasis Programs, see pages 23-24 of this issue of ALIN.



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ALIN, (301) 504-7937; NAL TTY (301) 504-6856;

FAX: (301) 504-5472; FTS2000: la12jswab

Internet: jswab@nalusda.gov

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